

**FGF-R3(IIIc)**  
**Catalog # PVGS1611****Specification**

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**FGF-R3(IIIc) - Product Information**

Primary Accession [Q61851-1](#)  
**Species**  
Mouse

**Sequence**  
Glu21-Gly374

**Purity**  
> 90% as analyzed by SDS-PAGE

**Endotoxin Level**  
< 1 EU/ µg of protein by gel clotting method

**Expression System**  
CHO

Formulation **Lyophilized from a 0.2 µm filtered solution in PBS.**

**Reconstitution**  
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH<sub>2</sub>O or PBS up to 100 µg/ml.

**Storage & Stability**  
Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

**FGF-R3(IIIc) - Additional Information**

**Target Background**  
Fibroblast growth factor receptor 3(FGFR3) also known as CD333 (cluster of differentiation 333) is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. The FGFR3 gene produces various forms of the FGFR3 protein and the location varies depending on the isoform of the FGFR3 protein. Since the different forms are found within different tissues, the protein is responsible for multiple growth factor interactions. Gain of function mutations in FGFR3 inhibits chondrocyte proliferation and underlies achondroplasia and hypochondroplasia.

**FGF-R3(IIIc) - Protein Information**

**FGF-R3(IIIIC) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**FGF-R3(IIIIC) - Images**